

FIG. 1A

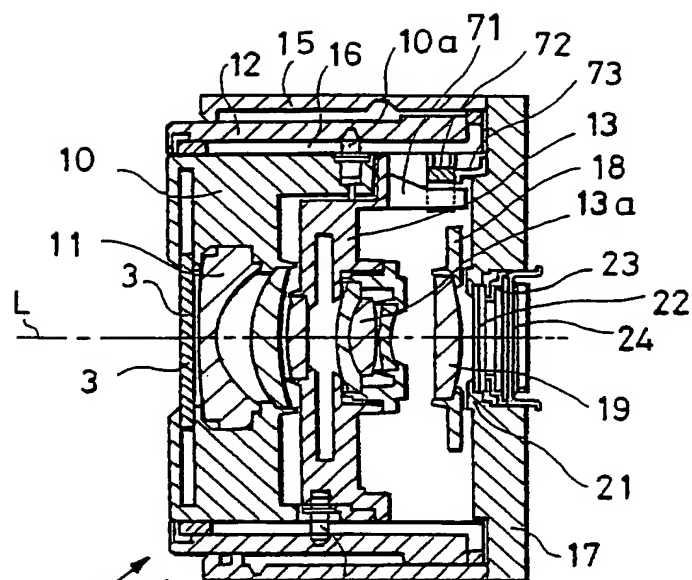


FIG. 1B

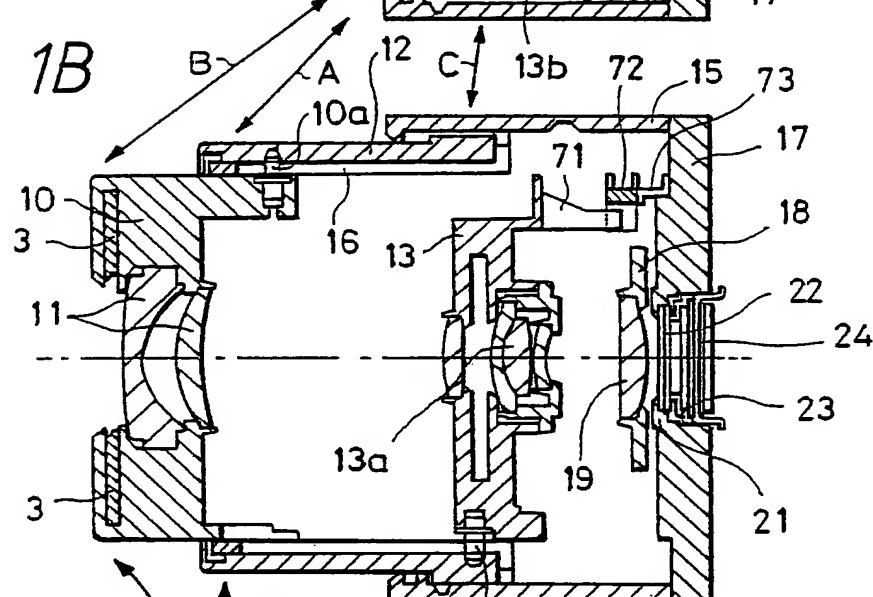


FIG. 1C

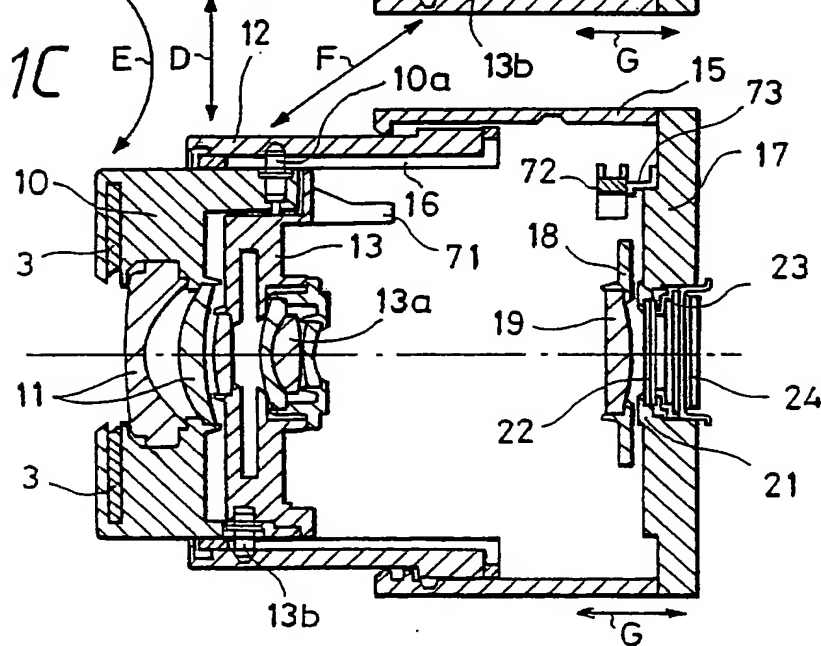


FIG. 2

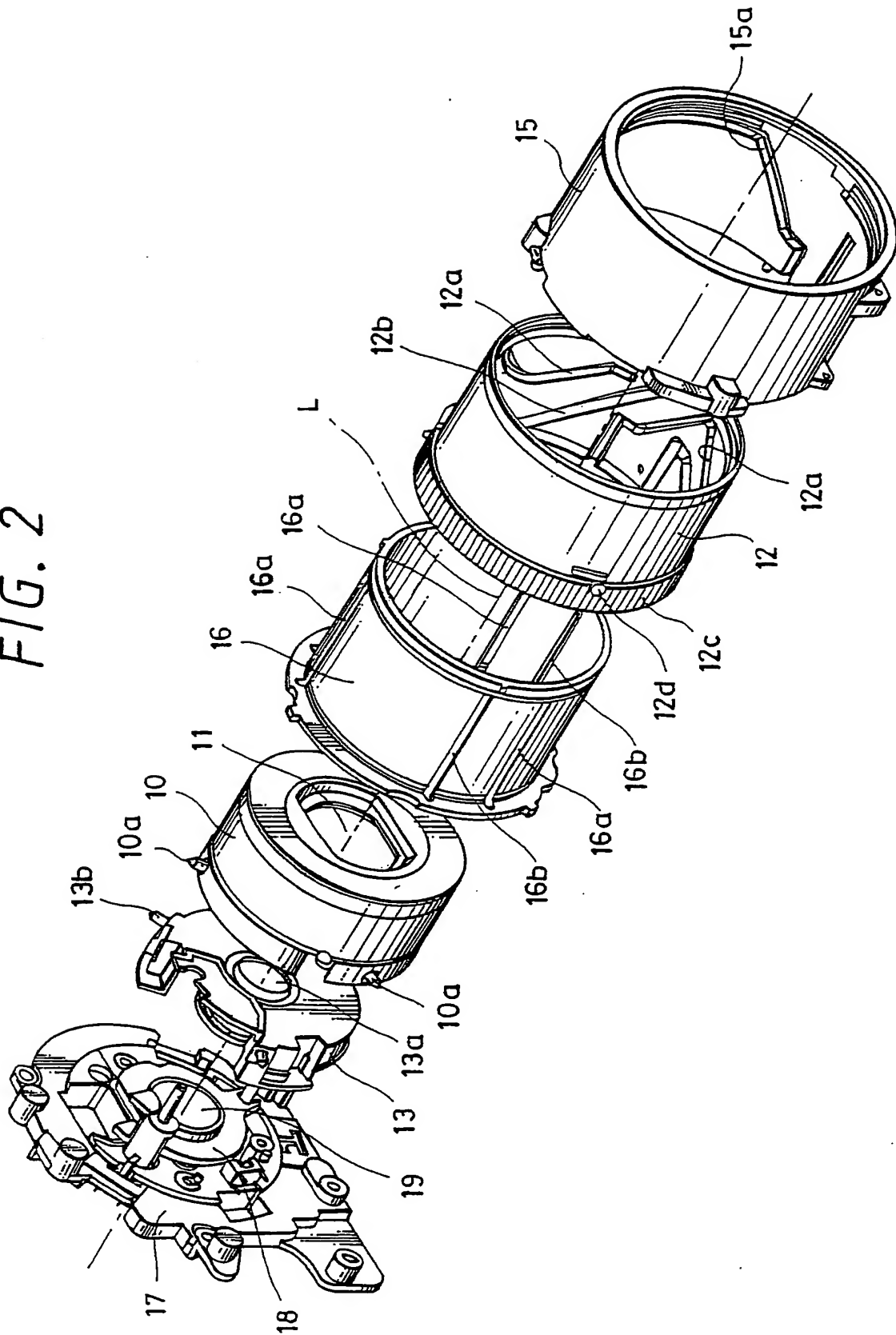


FIG. 3

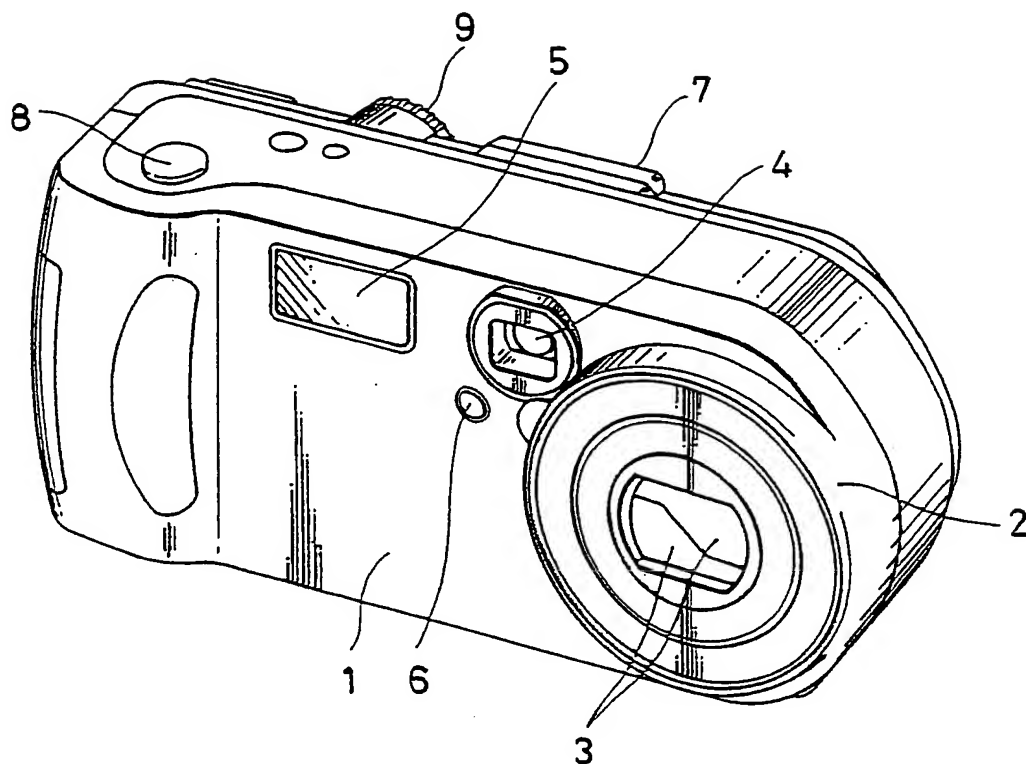


FIG. 4

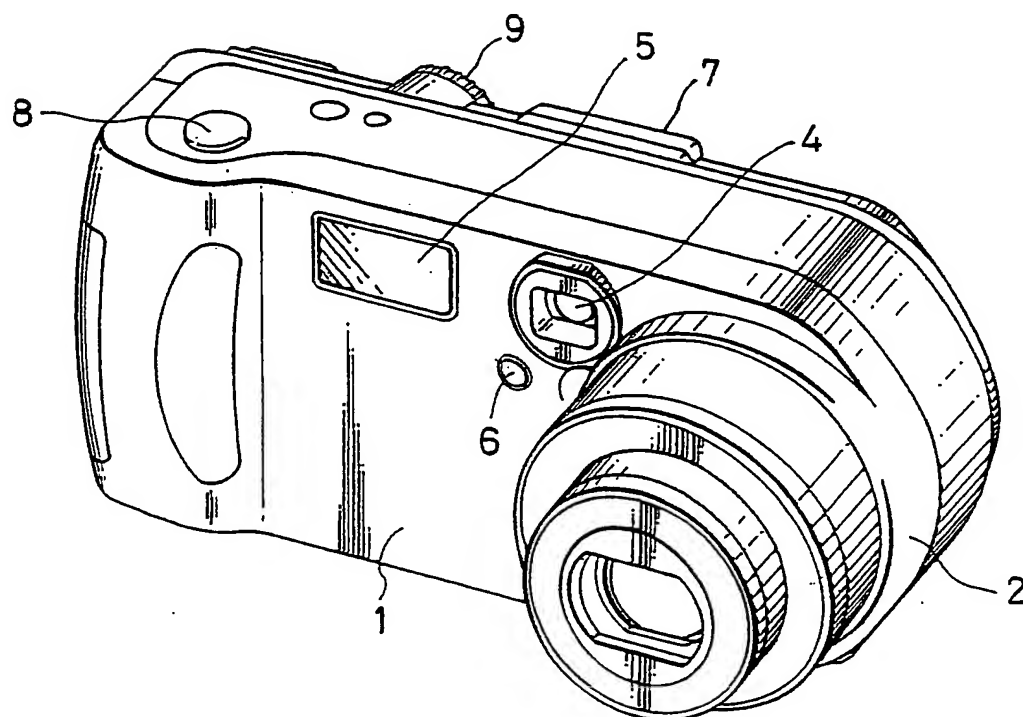


FIG. 5A

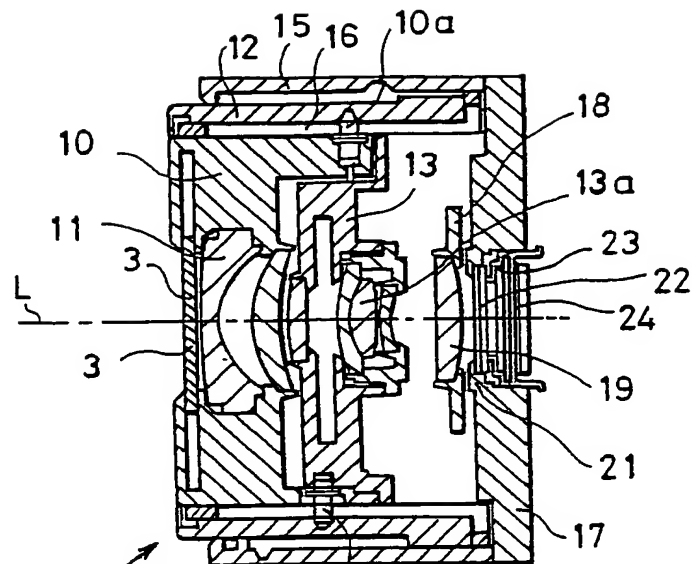


FIG. 5B

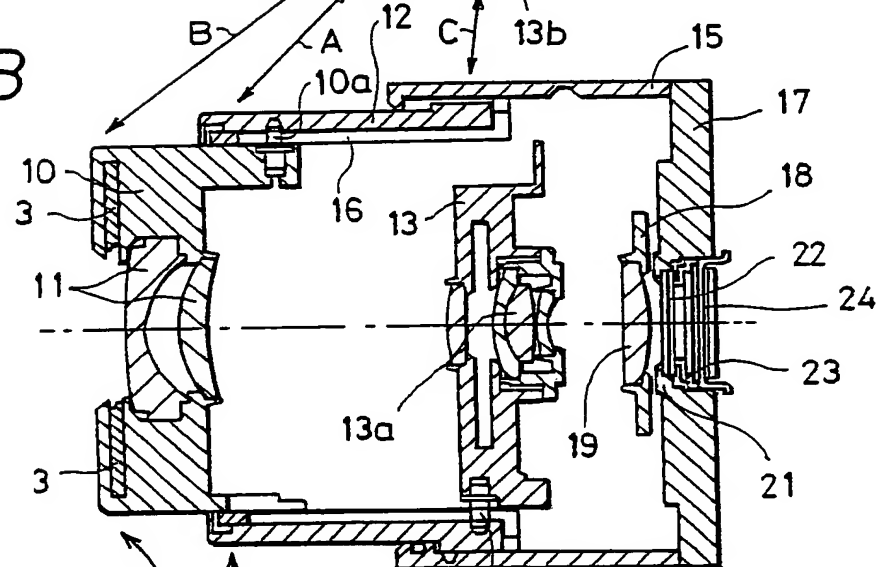
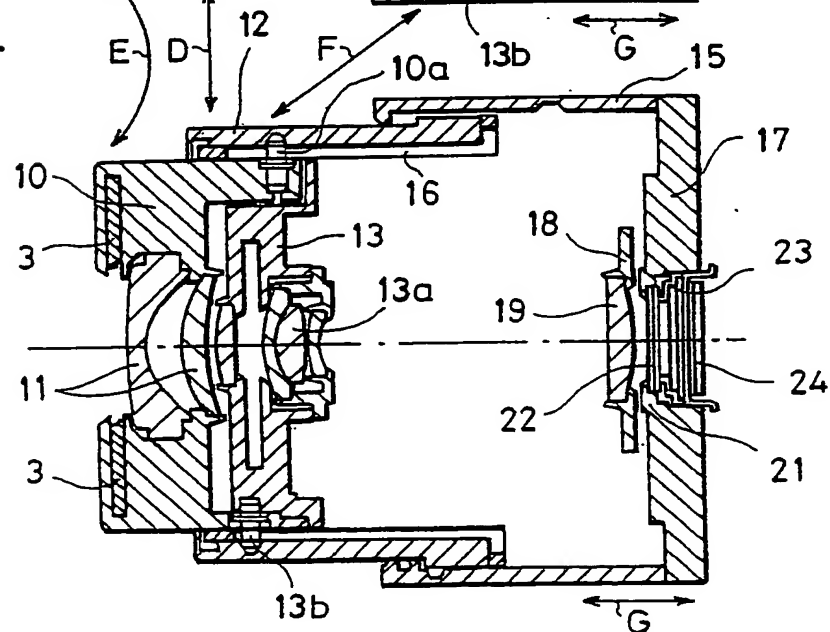


FIG. 5C



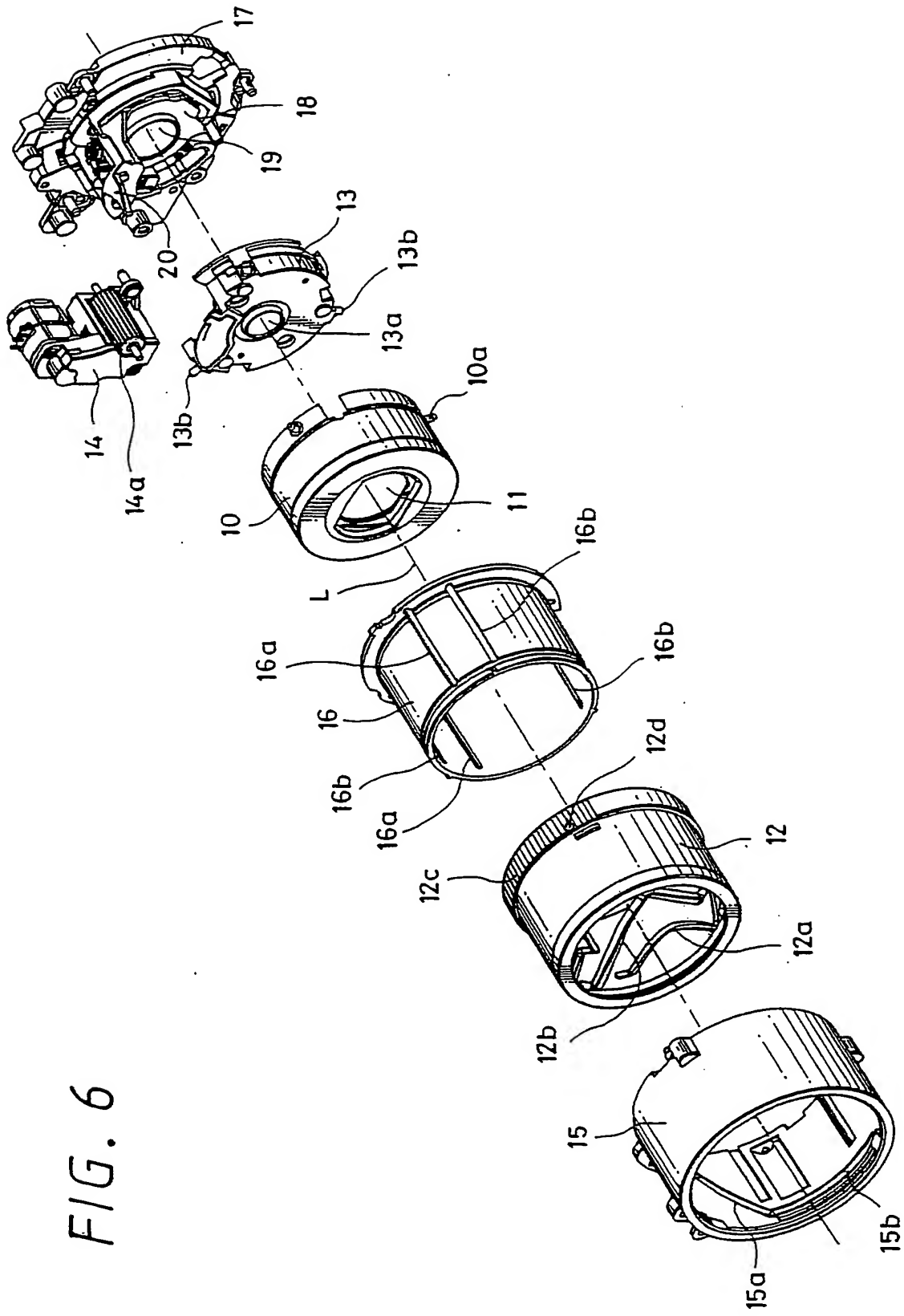


FIG. 7

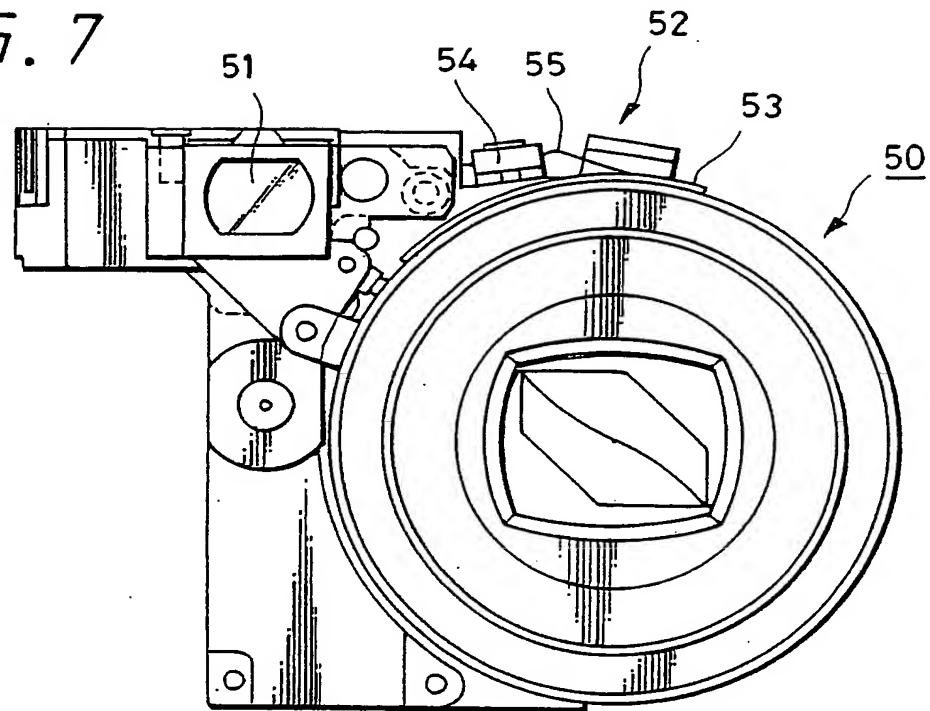
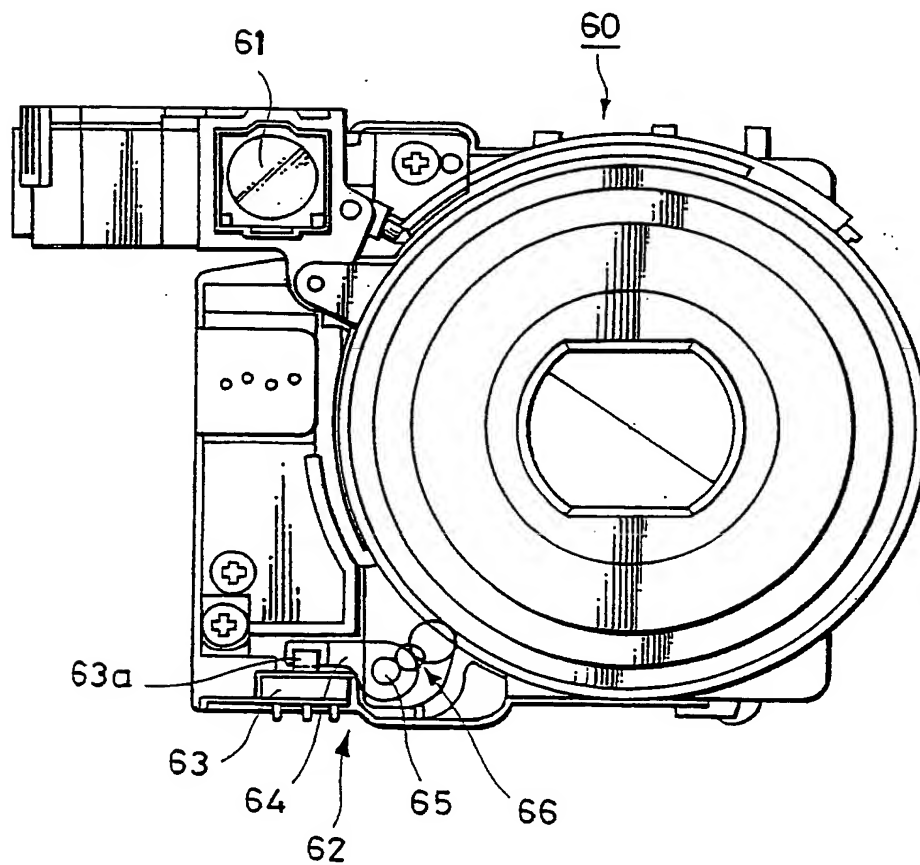


FIG. 8



## DESCRIPTION OF REFERENCE SYMBOLS

10 ... FIRST GROUP LENS FRAME

10a ... CAM PIN

12 ... CAM RING

12a, 12b...CAM GROOVE

12c ... GEAR PORTION

12d ... CAM PIN

13 ... SECOND GROUP LENS FRAME

13b ... CAM PIN

15 ... FIXED RING

16 ... STRAIGHT-FORWARD GUIDE RING

16a, 16b...GUIDE GROOVE

17 ... REAR BARREL

18 ... THIRD GROUP LENS FRAME

22 ... OPTICAL FILTER

24 ... SOLID-STATE IMAGE-PICKUP DEVICE (IMAGE-PICKUP  
MEANS)

71 ... PROJECTION

72 ... PHOTO-SENSOR